

# Purchase Order Receipt Listing

Wednesday, December 21, 2016 10:25:53 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO34692 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
<b>Vendor ID \ Vendor Name</b> VC-COP001 Thyssenkrupp Materials CA Ltd											
PO34692	1		M303B1.000X1.000 f	f	12/23/2016	12/21/2016	12.8250	\$12.62	0.0000	0	\$161.85
CAD	No		303 BAR 1" X 1" f	f	12.6875	PLOU01		\$161.85	0.0000	0	
			m136463								
	2		M303R0.750 f	f	12/23/2016	12/21/2016	36.0000	\$2.83	0.0000	0	\$101.87
	No		303 Round Bar 0.750 f	f	36.0000	PLOU01		\$101.87	0.0000	0	
			m136463								
	3		M303R2.000 f	f	12/23/2016	12/21/2016	12.0000	\$15.75	0.0000	0	\$189.00
	No		303 ROUND BAR 2" f	f	24.0000	PLOU01		\$189.00	0.0000	0	
			m136463								
	4		M304R0.4375 f	f	12/23/2016	12/21/2016	12.0000	\$3.26	0.0000	0	\$39.10
	No		304 ROUND BAR 0.4375	f	12.0000	PLOU01		\$39.10	0.0000	0	
			m136463								
	5		M304S14GA sf	sf	12/23/2016	12/21/2016	32.0000	\$4.37	0.0000	0	\$139.86
	No		304SS sheet .080	sf	32.0000	PLOU01		\$139.86	0.0000	0	
			m136463								
	6		M6061T6B0.500X02. f	f	12/23/2016	12/21/2016	12.0000	\$3.35	0.0000	0	\$40.24
	No		500	f	12.0000	PLOU01		\$40.24	0.0000	0	
			6061-T6 Bar .500 x 2.50	f							
			m136463								
	7		M6061T6B0.750X00. f	f	12/23/2016	12/21/2016	24.0000	\$1.89	0.0000	0	\$45.40
	No		750	f	24.0000	PLOU01		\$45.40	0.0000	0	
			6061-T6 Bar .750 x .750	f							
			m136463								
	8		M6061T6B0.750X02. f	f	12/23/2016	12/21/2016	12.0000	\$4.10	0.0000	0	\$49.18
	No		000	f	12.0000	PLOU01		\$49.18	0.0000	0	
			6061-T6 Bar .750 x 2.00	f							
			m136463								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
<b>Vendor ID \ Vendor Name</b> VC-COP001 Thyssenkrupp Materials CA Ltd											
PO34692	9		M6061T6B0.750X06. f 000		12/23/2016 12/21/2016		12.0000	\$9.77	0.0000	0	\$117.29
CAD	No		6061T6 BAR .750 X 6.00	f	12.0000 PLOU01			\$117.29	0.0000	0	
			m136463								
	11		M6061T6B2.500X01. f 500	f	12/23/2016 12/21/2016		12.0000	\$8.22	0.0000	0	\$98.67
	No		6061-T6 Bar 2.50 x 1.50	f	12.0000 PLOU01			\$98.67	0.0000	0	
			m136463								
	12		M6061T6R0.625	f	12/23/2016 12/21/2016		24.0000	\$1.80	0.0000	0	\$43.19
	No		6061-T6 Round Bar .625"	f	24.0000 PLOU01			\$43.19	0.0000	0	
			m136463								
	13		M6061T6R0.750	f	12/23/2016 12/21/2016		24.0000	\$1.82	0.0000	0	\$43.79
	No		6061-T6 Round Bar .750"	f	24.0000 PLOU01			\$43.79	0.0000	0	
			m136463								
<b>Total Received Quantity:</b>											224.8250
<b>Total Qty to Inspect (PO U/M):</b>											0.0000
<b>Total Reject Quantity:</b>											0.0000
<b>Total Receipt Value:</b>											\$1,069.44
<b>Total Balance Due Quantity:</b>											12.0000

Ship From: B I L L O F L A D I N G  
THYSSENKRUPP MATERIAUX NA  
4700 BOIS FRANC  
ST. LAURENT, QC H4S 1A7  
Tel: 514-337-0161 Fax: 514-745-2968

No: VIM 496280  
Ship Date 21Dec16 at 11:13 From VFW  
Probill  
Via O/T  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1 )  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC- 386- 1 Your PO # 34692  
STAINLESS STEEL SQ BAR 303 STAINLESS  
1.00" X 152.2500"

Heat Number	Tag No	Quantity	PCS	Wt LBS
1 PLASTIC R300C268522	197377	12 ' 8.2500	1	43
TOTAL:		Tags 1	PCS 1	LBS 43

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

\*\*\*UNE SURCHARGE D'ENERGIE DE \$25.00

SERA AJOUTEE A CHAQUE COMMANDE.\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

\*\*\* POUR VOS BESOINS D'ACIER INOXYDABLE,  
\*CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600\*

\*\*\* FOR ALL YOUR STAINLESS STEEL NEEDS, CALL US.

\*\*\* WE HAVE IT! \*\*\* TEL. 800-926-2600 \*\*\*

\*\*\*\*\*

\*\*\*\*\* FERMER POUR LES FETES \*\*\*\*\*

DU 23 DECEMBRE, 2016, JUSQU'AU 2 JANVIER, 2017.

NOUS PRENONS LES APPELS TELEPHONIQUES LE 28-29 DEC

Page: 1 ....Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX  
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G  
Ship From: THYSSENKRUPP MATERIAUX NA  
4700 BOIS FRANC  
ST. LAURENT, QC H4S 1A7  
Tel: 514-337-0161 Fax: 514-745-2968

No: VIM 496280  
Ship Date 21Dec16 at 11:13 From VFW  
Probill  
Via O/T  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

=====

B I L L O F L A D I N G

=====

JOYEUSES FETES!

\*\*\*\*\* CLOSED FOR THE HOLIDAYS \*\*\*\*\*  
FROM DEC. 23/2016 TO JAN. 2/2017.  
WE ARE TAKING PHONE CALLS ON DEC. 28TH & 29TH.  
HAVE A HAPPY HOLIDAY SEASON!!

\*\*\*\*\*  
NOS HEURES DE CUEILLETTE SONT DU LUNDI AU VENDREDI  
DE 8H30 A 12H00 ET DE 13H00 A 16H30.  
CUSTOMER PICK-UP HOURS ARE MONDAY TO FRIDAY  
FROM 8:30 AM TO NOON AND 1:00 PM TO 4:30 PM.

Page: 2 .... Last

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TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

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## B I L L O F L A D I N G

No: PEC 23469

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 20Dec16 at 10:12 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frnt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC- 387- 1 Your PO # 34692  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
.750" DIA X 144.0000"

Heat Number  
100D

Tag No  
601813

Quantity  
36 FT

PCS  
3

Wt LBS  
54

2) Our Order PEC- 387- 2 Your PO # 34692  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
2.00" DIA X 144.0000"

Heat Number  
049B

Tag No  
601814

Quantity  
12 FT

PCS  
1

Wt LBS  
130

3) Our Order PEC- 387- 3 Your PO # 34692  
STAINLESS STEEL ROUND BAR 304L  
.437" DIA X 144.0000"

Heat Number  
30244

Tag No  
601815

Quantity  
12 FT

PCS  
1

Wt LBS  
7

4) Our Order PEC- 387- 4 Your PO # 34692  
STAINLESS STEEL SHEET 304L-2B DUAL GRADE  
.0750 Nom X 48.0000" X 96.0000"

Heat Number  
159W

Tag No  
601826

Quantity  
32.00 SFT

PCS  
1

Wt LBS  
96

5) Our Order PEC- 387- 5 Your PO # 34692  
ALUMINUM FLAT BAR 6061-T6511  
.50" x 2.50" X 144.0000"

Heat Number  
201620598

Tag No  
601816

Quantity  
12 FT

PCS  
1

Wt LBS  
17

Page: 1 ....Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOXYDABLE  
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS STEEL

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G  
Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 23469  
Ship Date 20Dec16 at 10:12 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC- 387- 6 Your PO # 34692  
ALUMINUM SQUARE BAR 6061-T6511

.750" X 144.0000"

Heat Number  
618583

Tag No  
601817

Quantity  
24 FT

PCS  
2

Wt LBS  
16

7) Our Order PEC- 387- 7 Your PO # 34692  
ALUMINUM FLAT BAR 6061-T6511

.750" x 2.00" X 144.0000"

Heat Number  
201620603

Tag No  
601818

Quantity  
12 FT

PCS  
1

Wt LBS  
21

8) Our Order PEC- 387- 8 Your PO # 34692  
ALUMINUM FLAT BAR 6061-T6511

.750" x 6.00" X 144.0000"

Heat Number  
201616692

Tag No  
601819

Quantity  
12 FT

PCS  
1

Wt LBS  
65

9) Our Order PEC- 387- 9 Your PO # 34692  
ALUMINUM FLAT BAR 6061-T6511

1.50" x 2.50" X 144.0000"

Heat Number  
201616239

Tag No  
601820

Quantity  
12 FT

PCS  
1

Wt LBS  
54

10) Our Order PEC- 387- 10 Your PO # 34692  
ALUMINUM ROUND BAR 6061-T6511

.625" DIA X 144.0000"

Heat Number  
40958-133

Tag No  
601821

Quantity  
24 FT

PCS  
2

Wt LBS  
9

11) Our Order PEC- 387- 11 Your PO # 34692  
ALUMINUM ROUND BAR 6061-T6511

.750" DIA X 144.0000"

Heat Number

Tag No

Quantity

PCS

Wt LBS

Page: 2 ....Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX  
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G  
Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 23469  
Ship Date 20Dec16 at 10:12 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

===== B I L L O F L A D I N G =====  
201616463 601822 24 FT 2 13  
-----

TOTAL: Tags 11 PCS 16 LBS 482

Heat Number \*\*\* Chemical Analysis \*\*\*

049B  
100D  
159W  
201616239  
201616463  
201616692  
201620598  
201620603  
30244  
40958-133  
618583

\*\*\*\*\* ADD ON TO 386 SUR-CHARGE ADDED \*\*\*\*\*

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

TOTAL 1 SKID, 2 BDLS GW. 548 LBS

\*\*\*\*\* CLOSED FOR THE HOLIDAYS \*\*\*\*\*

ON DEC. 26, 27, 30/2016 & JAN. 2/2017.

WE ARE OPENED FOR BUSINESS ON DEC. 23, 28 & 29.

HAVE A HAPPY HOLIDAY SEASON!

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA

Page: 3 ....Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX  
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

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RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001



B I L L O F L A D I N G  
Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 23469  
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Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

=====

B I L L O F L A D I N G  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*  
\*\*\*\* TEL. 800-926-2600 \*\*\*\*  
\*\*\*\*\*  
\* WE STOCK STAINLESS STEEL \*  
\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*  
\*\*\*\*\*  
\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*  
\*\*\*\*\*  
\*\*\*UNE SURCHARGE D'ENERGIE DE \$25.00  
SERA AJOUTEE A CHAQUE COMMANDE.\*\*\*  
\*\*\*POUR VOS BESOINS D'ACIER INOXYDABLE,  
\*CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600\*

Page: 4 .... Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX  
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TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SQ BAR 303 STAINLESS

1.00" X 152.2500"

PART NO.

PO/Rel 34692

Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel ou les données résultant

## Certificate of Mill Test Results

BL VIM-496280-001

22Dec16

Pg 1/1

de l'analyse faite par un laboratoire qualifié.  
SIGNÉ PAR: LUCY TRUGLIO



**VALBRUNA**

SLATER STAINLESS, INC.

2400 TAYLOR STREET WEST - PO BOX 630  
FORT WAYNE IN 46802 USA  
PHONE 260.434.2800 - FAX 260.434.2801

### Product Certification Report

Report Number: **5210400**

Certified on Apr 07, 2016 Page 1 of 1

Order I.D. <b>1600098 001</b>	Order Date <b>1/15/16</b>	Commodity Code			
Dim 1 <b>1.0000</b>	Dim 2 <b>.0000</b>	Dim 3 <b>.0000</b>	Heat I.D. <b>268522</b>	Customer I.D. <b>002476</b>	Customer Purchase Order <b>601005606</b>
Product Shape <b>Cold Drawn Squares</b>			Product Surface <b>Cold Drawn Finish</b>		Customer Grade <b>303</b>
Length (Inches) <b>132.000 Min. 156.000 Max.</b>			Bill of Lading # <b>426663</b>	Weight	Melt Date: <b>10/12/15</b>

Ship To

VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

Sold To

VALBRUNA CANADA LTD.  
8724 HOLGATE CRESCENT  
MILTON, ONTARIO L9T5Z1

Lifts: **0054 0064**

AISI **303**

UNS **S30300**

AMS **5640U TYPE 1**

#### CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.044	1.74	.029	.26	.53	17.27	8.12	.25	.55	.10	.02

BRINELL (Type A device) (E-10)

HBW

227

TENSILE PROPERTIES ASTM E8-15a

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
106000	61700	47.2	60.7

MACRO ASTM E340-15/E381-01

MACRO

OK

DAS

14

9-89

17/01/04

No welding or weld repair done.

Material when shipped is free from contamination by mercury, radium, alpha source, and low melting elements.

Reduction Ratio Exceeds 4:1

Electric Furnace melted; AOD refined.

Chemical testing to one or more of the listed ASTM methods:

E415-14, E1019-11, E1086-14.

Location of tensile fracture: inside middle of gage length. %elong after fracture.

Chemical Analysis performed at Acciaierie Valbruna, Italy.

No mercury or low melting alloy contamination. No weld repair.

Melted and manufactured in Italy.

Material conforms to listed specifications and is DFARS compliant.

Quality system is compliant with ISO 9001:2008. Produced in accordance with EN 10204 3.1.

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes. Including Federal law Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info. I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

email: DHackett@valbruna.us

Dennis Hackett



# THYSSENKRUPP MATERIALS NA

STAINLESS STEEL ROUND BAR 303 STAINLESS  
750" DIA X 144.0000"  
PART NO.

PO/ECI 34692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-023469-001

211Dec16  
Pg 1/1



North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

## METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 216009 4 Mail To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Ship To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 9/07/2016 Page: 1  
Steel: 303  
Finish: CD

Your Order: PEC277672

NAS Order: IN 0236677 01

Corrosion:

### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
UNS 30300, ASTM A582/12 EN 10204 3.1, ASTM A484/15  
AMS 5640V TYPE 1, Q86-7648 CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

### REMARKS:

COMPLIES W/REQUIREMENTS OF DPMR 252.225-7009 EU DIRECTIVE  
2011/65/EU-ROHS, EAF+AOD+CC. NO WELD REPAIR, MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS  
14/7/2016  
9:39

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BI1735 7		.7500		824	144.00	2	1	

### CHEMICAL ANALYSIS

CM(Country of Weit) ES(Spain) US(United States) ZA(South Africa) JP(Japan)  
Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 12323  
Chemical Analysis per ASTM A751/14A

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
1000	US	.0328	.1455	17.1285	.3270	1.8445	.3050	.0345	8.6060	.0275

S % .3108  
SI % .5520

### MECHANICAL PROPERTIES

Product Id	1 d	BB	2YS	UTS	RA	Elong
	o i	NO.	KGT	KGT	%	% 4D
BI1735 7	R L	230.0	81.18	104.43	39.68	26.52

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

# THYSSENKRUPP MATERIALS NA

STAINLESS STEEL ROUND BAR 303 STAINLESS  
3.00" DIA X 144.0000"  
PART NO.

P.O. Ref 34692

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-023469-002

21 Dec 16  
Pg 1/1



North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

## METALLURGICAL TEST REPORT

6870 Highway 42 East  
Chent, KY 41045-9615  
(502) 347-6000

Certificate: 232689 3 Mail To:  
THYSSENKRUPP MATERIALS  
Customer: 007206 001 2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Ship To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 10/28/2016 Page: 1  
Steel: 303  
Finish: ST

Your Order: PEC278705

NAS Order: IN 0238728 01

Corrosion:  
Red Ratio: 18.1 : 1

### PRODUCT DESCRIPTION:

Round Bar, Annealed, Smooth Turned, Cold Finished  
UNS 30300, ASTM A582/12 EN 10204 3.1, ASTM A484/15  
AMS 5640V TYPE 1, QQS-75AB CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

### REMARKS:

COMPLIES W/REQUIREMENTS OF DEFAR 252.225-7009 EU DIRECTIVE  
2011/65/EU, ROHS, EAF+AOD+CC, NO WELD REPAIR, MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

*Handwritten:* DAS of 17101104  
14  
9-88

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BI0842 4		2.0000		1.058	144.00	2	1	

CHEMICAL ANALYSIS	CM	C %	CO %	CR %	CU %	NI %	MO %	N %	NI %	P %
HEAT 049B	US	.0247	.1050	.17.0680	.2970	1.8300	.2755	.0420	8.4845	.0260

S %	SI %
.3235	.4170

### MECHANICAL PROPERTIES

Product Id	1 d o r c r	HB No.	.2YS KSI	UTS KSI	RA %	ELng % 4D
BI0842 4	R L	183.0	51.00	91.00	55.00	40.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy  
of the test methods used, the material meets the specifications stated. These results relate only to the items  
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr. *[Signature]*

KRIS JARR 10/28/2016

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 304L

.437" DIA X 144.0000"

PART NO.

PO/Ref 34692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-023469-003

21Dec16

Signed by:

Pg 1/1

### VIRAJ PROFILES LIMITED

**VIRAJ**

Regi & Mkt off: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane (Dist), Maharashtra, INDIA - 401506, E-Mail: sales@viraj.com  
Works: SURVEY No- 114, 119 & 120, VILL. Mahagaon, Tal: Palgar, Dist: Thane-401501, MAHARASTRA, INDIA, vielqc@viraj.com

#### TEST CERTIFICATE

##### CUSTOMER

FIDELITY PAC METALS LTD.

1303 North Service Rd East, Unit 1, Oakville ON

L6H 1A7

CANADA.

##### ORDER NO

PO#2657

##### PACKING LIST NO

51/959753/4

##### INSPECTION NO

100003133484

##### DATE

10.10.2013

##### GRADE

304/304L

##### HEAT No

30244

##### BUNDLE NO :

1100070088, 1100070087, 1100070086, 1100070085, 1100070084, 1100070083.

##### DESCRIPTION

STAINLESS STEEL BRIGHT BARS

DAS  
14  
9-89

17/10/104

##### COLD DRAWN POLISHED - 2H

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
7/16"	ROUND	ASTM A484	12' - 14'	972	6,050,000 LB

#### CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0140	1.560	0.350	0.0220	0.0360	18.450	8.100	0.450	0.310	0.150	0.09000

#### TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
95.0	109.0	41.0	70.0	223.0	7.0

#### SPECIFICATION:

MATERIAL CONFIRMS TO DIN EN 10088-3:2005, WNR 1.4301/1.4307 EN 10222-5 AND EN 10272 COND-A & ASTM A182/A-182M-11, A276-11 COND A, A479/A479M-11 COND A, A193/A193M-11a B8 CL-1, A320/A320M-11a B8 CL-1, A484 11, A388/A388M-05 ASME SA182-04, SA479-04, SA193-04 B8 CL-1, SA320-04 B8 CL-1, ASTM A314-2002, IGC SATISFACTORY AS PER ASTM A 262-10 PRACTICE E, AMS 5639H/AMS5647H (EXCEPT MARKING), QQ-S-763F, NACE MR0103, NACE-MR0175-2003, SAL-AMS-S-7720A, MIL-S-862-B, AISI 304/304L & UNS#S30400/S30403. CERTIFICATION AS PER EN 10204-3.1.

#### REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO-FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO-GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1/2 HRS, WATER QUENCHED, MELT SOURCE: AOD. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION, COUNTRY OF ORIGIN: INDIA.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

WORKS INSPECTOR  
K R K MURTHY

# THYSSENKRUPP MATERIALS NA

DAF AEROSPACE  
STAINLESS STEEL SHEET 301L-2B DUAL GRADE  
0.750 Nom X 48.0000" X 96.0000"  
PART NO.

FORM 34692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

*[Signature]*

Certificate of Mill Test Results

BL PEC-023469-004

21Dec16  
Pg 1/1



North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Y3  
Canada

## METALLURGICAL TEST REPORT

6870 Highway 42 East  
Chent, KY 41045-9615  
(502) 347-6000

Certificate: 234736 1 Mail To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6  
Customer: 007206 001

Ship To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 11/03/2016 Page: 1  
Steel: 304L  
Finish: 2B

Your Order: PEC276487

NAS Order: WN 0084092 05

Corrosion: ASTM A262/15 A; 180hend-OK

### PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED, UNS 30403  
ASTM A240/15b, A480/15, A666/15; ASME SA240/15, SA480/15, SA666/15  
CHEM ONLY ON FOLLOWING ASTM: A276/16, A479/16, A484/15, A312/16  
CHEM ONLY ON FOLLOWING ASTM: SA312/13, SA479/13  
AMS 551H XXRX; MIL-5059D AMD3(X GRN MEAS); MIL-4043B  
NACE MR0175/ISO 15156-3:2009 A, MR0103/07; Q05766D-A X MAG PERK  
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

### REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.  
EN 10204:2004 3.1; ROHS 1 & 2 Compliant  
Material is Free of Radioactive Contamination  
Steel Making Process: EAF, AOD, & Cont. Casting  
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001  
\*Melted & Manufactured in the USA; Mat'l is DPAH Compliant

DAS  
14  
9-89 12/01/04

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
02159W CA	02159W C		1.0750	48.0000	2,400 SHEETS	096.00		25	

CHEMICAL ANALYSIS	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
HEAT 159W	US	.0190	18.0030	.4130	1.7930	.3060	.0724	8.0210	.0300	.0010
SI %										
										.2370

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/14a

### MECHANICAL PROPERTIES

Product Id#	Coil #	1 d 0 i c r	UNS	20C .2% YS	20C ELONG % 2"	Hard RB	Tail Hard
02159W CA	02159W C	F T	98.45	50.91	44.75	90.00	87.50

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS JARR

11/03/2016

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511

.750" X 144.0000"

PART NO.

PO/Rel 34692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-023469-006

21Dec16

Signed by: 

Pg 1/1



**LB ALUMINIUM BERHAD**  
(138535-V)

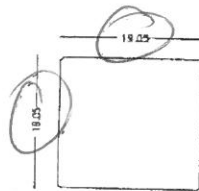


ALUMINIUM EXTRUSION

### TEST CERTIFICATE

CUSTOMER : THYSSENKRUPP MATERIALS NA	SECTION NO. : PE01729MF03660	DATE : May-10-2016
SALES ORDER NO. : 1641952	WORK ORDER : 618583	ALLOY : 6061-T6511
PRESS NO. : 2600	EXTRUSION DATE : Apr-30-2016	CERTIFICATE NO. : MCERT1605178
CUSTOMER PO NO. : PEC-273585		

Section Sketch :



Thickness = 19.05 mm

DAS  
14  
9-89

17/10/04

### CHEMICAL COMPOSITION

Composition	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Analysis Ref.
Min	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00		
Max	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	Remainder	E6C0070A
Actual	0.660	0.180	0.340	0.020	0.990	0.080	0.010	0.011		Mar-16-2016

### MECHANICAL PROPERTIES ( Result shown is tested by LBALUM )

	Tensile Strength N/mm <sup>2</sup>	Yield Stress N/mm <sup>2</sup>	Elongation ( % )
Standard	260	240	10
Result	303.40	282.40	14.88

Compliance with ASTM B221M-07  
We hereby certify that the material covered by this report has been verified or tested according to the seller standard sampling method or the requirements of any specifications or requirements described herein, and that sample representative of the material met the composition limits and had the mechanical properties shown. Also, note that mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds are used in the manufacture of our extrusion. This certificate conforms to 3.1, EN 10204.

\*\* This certificate of Analysis has been produced electronically and is valid without signature \*\*

Lot 11, Jalan Perusahaan 1, Kawasan Perusahaan Beranang, 43700 Beranang, Selangor Darul Ehsan, Malaysia.

Tel: 603-8723 8822 (15 Lines) Fax: 603-8723 3191 (General), 8723 7272 (Sales), 8727 1218 (Export)

Enquiry@lbalum.com.my www.lbalum.com



# THYSSENKRUPP MATERIALS NA

ALUMINUM PLATE 6061-T6511  
750" X 2.00" X 144.0000"  
PART NO.

PO/RE 24692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results  
BL PEC-023469-007  
21Dec16  
Pg 1/1



Can Do.

5850 Quality Way  
Prince George, VA 23875

## Service Center Metals

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER	ITEM
278910	9

BILL TO  
ThyssenKrupp Materials NA-Concord, ON  
SHIP TO  
ThyssenKrupp Materials NA-Concord, ON  
Quantity Certified 2,328 lbs 110 pcs

MANIFEST NUMBER 315206  
CUSTOMER PO PEC-279343  
CUSTOMER PART NUMBER RB0115

DIE NUMBER RB0115  
DATE OF SHIPMENT 11/30/2016

SALESPERSON D Schroeder (Canada)

CERTIFICATION  
ASTM-B221-14 Stencil Cont  
SPECIFICATION  
AMS-QQA-200/8 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DfARS compliant.

### Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
	6 201620603	11/30/16	min 48.20 max 49.80	min 44.70 max 46.20	min 16.90 max 19.40

DAS  
14  
8-89  
1710104

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others	Total	Melt Source:
11151605	201620603	6061	0.74	0.34	0.31	0.10	0.87	0.09	0.07	0.02	97.46	0.05	0.15		United States of America
1K161021C	201620603	6061	0.75	0.36	0.33	0.10	0.89	0.10	0.06	0.03	97.37	0.05	0.15		United States of America
1M161120C	201620603	6061	0.76	0.37	0.33	0.10	0.89	0.10	0.04	0.03	97.38	0.05	0.15		United States of America

SCM products are melted and extruded in the USA

Print Date: 11/30/2016

# THYSSENKRUPP MATERIALS NA

ALUMINUM FLAT BAR 6061-T6511  
1.50" X 2.50" X 144.0000"  
PART NO.

PO# 34692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-023469-009

21Dec16  
Pg 1/1

Certificate of Mill Test Results



Can Do.

Service Center Metals

5850 Quality Way  
Prince George, VA 23875

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER	ITEM
272627	4

BILL TO: ThyssenKrupp Materials NA-Concord, ON  
SHIP TO: ThyssenKrupp Materials NA-Concord, ON  
Quantity Certified: 3,099 lbs 58 pcs  
MANIFEST NUMBER: 309172  
CUSTOMER PO: PEC-277634  
CUSTOMER PART NUMBER: MRB0657  
DIE NUMBER: MRB0657  
DATE OF SHIPMENT: 9/30/2016  
SALES PERSON: D. Schroeder (Canada)  
ALLOY / TEMPER: 6061-T6511  
DESCRIPTION: MORB 1.500X2.500

CERTIFICATION: ASTM-B221-14 Stencil Cont  
SPECIFICATION: AMS-QQA-20078 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.  
This product is RoHS-2, REACH, and DfARS compliant.

DAS  
14  
9-89  
1701104

### Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
	3 201616239	9/20/16	min 49.60 max 50.80	min 46.20 max 47.10	min 15 max 17.70

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Melt Source
												Each Total	
09091604	201616239	6061	0.74	0.34	0.30	0.10	0.86	0.09	0.10	0.02	97.45	0.05	0.15
09121602	201616239	6061	0.74	0.39	0.31	0.10	0.86	0.08	0.10	0.02	97.40	0.05	0.15
													United States of America United States of America

SCM products are melted and extruded in the USA

Print Date: 9/30/2016

# THYSSENKRUPP MATERIALS NA

PART-AEROSPACE  
ALUMINUM ROUND BAR 6061-T6511  
1.50" DIA X 144.0000"  
PART NO.

PO/Rd 34692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results  
BL PEC-023469-011  
21Dec16  
Pg 1/1



Can Do.

Service Center Metals  
5850 Quality Way  
Prince George, VA 23875

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER	ITEM
272304	1

BILL TO  
ThyssenKrupp Materials NA-Concord, ON  
SHIP TO  
ThyssenKrupp Materials NA-Concord, ON  
Quantity Certified 2,060 lbs 330 pcs

MANIFEST NUMBER 309219  
CUSTOMER PO PEC-277559  
CUSTOMER PART NUMBER RD0003  
DATE OF SHIPMENT 9/30/2016  
SALES PERSON D. Schroeder (Canada)

CERTIFICATION  
ASTM-B221-14 StencilCont  
SPECIFICATION  
AMS-QQA-200/8 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DEARS compliant.

### Mechanical Properties

Tests Lot No.

16 201616463

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
9/22/16	min 46.80 max 48.90	min 43.70 max 46.00	min 12.25 max 15.40

DAS  
14  
9-89  
710104

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Melt Source
07101604	201616463	6061	0.76	0.35	0.31	0.13	0.85	0.15	0.06	0.02	97.37	0.05	0.15
09011304	201616463	6061	0.76	0.35	0.32	0.11	0.92	0.16	0.07	0.02	97.29	0.05	0.15
												United States of America	United States of America

SCM products are melted and extruded in the USA

Print Date: 9/30/2016

# THYSSENKRUPP MATERIALS NA

PART AEROSPACE  
ALUMINUM FLAT BAR 6061-T6511  
50" x 2.50" x 144.0000"  
PART NO.

PO Ref 34692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-023469-005

21Dec16  
Pg 1/1



Can Do.

## Service Center Metals

5850 Quality Way  
Prince George, VA 23875

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER	ITEM
278895	14

**BILL TO**  
ThyssenKrupp Materials NA-Concord, ON  
**SHIP TO**  
ThyssenKrupp Materials NA-Concord, ON  
**Quantity Certified** 988 lbs 56 pcs

**MANIFEST NUMBER** 315205  
**CUSTOMER PO** PEC-279346  
**CUSTOMER PART NUMBER** RB0097

**DR. NUMBER** RB0097  
**ALLOY / TEMPER** 6061-T6511  
**DESCRIPTION** SCRB .500X2.500  
**DATE OF SHIPMENT** 11/30/2016  
**SALES PERSON** D. Schroeder (Canada)

**CERTIFICATION**  
ASTM-B221-14 StencilCont  
**SPECIFICATION**  
AMS-QQA-200/8 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DfARS compliant.

### Mechanical Properties

**Tests** **Lot No.**

3 201620598

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
11/30/16	min 45.30 max 45.40	min 42.40 max 42.80	min 13.10 max 14.30

DAS  
14  
9-81  
17/01/04

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Melt Source
2M161115C	201620598	6061	0.64	0.21	0.21	0.08	0.87	0.07	0.02	0.02	97.90	0.05	0.15	United States of America

SCM products are melted and extruded in the USA

Print Date: 11/30/2016

# THYSSENKRUPP MATERIALS NA

ALUMINUM FLAT BAR 6061-T6511  
750" X 6.00" X 144.0000"  
PART NO.

PO# 34692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-023469-008

21 Dec 16  
Pg 1/2



Can Do.

## Service Center Metals

5850 Quality Way  
Prince George, VA 23875



## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
272627	16

BILL TO  
ThyssenKrupp Materials NA-Concord, ON  
SHIP TO  
ThyssenKrupp Materials NA-Concord, ON  
Quantity Certified 4,620 lbs 72 pcs

MANIFEST NUMBER 309220  
CUSTOMER PO PEC-277634  
CUSTOMER PART NUMBER MRB1980  
DIE NUMBER MRB1980  
ALLOY / TEMPER 6061-T6511  
DISCRIPTION MORB 750X6.000

DATE OF SHIPMENT 9/30/2016  
SALES PERSON D Schroeder (Canada)

CERTIFICATION  
ASTM-B221-14 Stencil/Cont  
SPECIFICATION  
AMS-QQA-200/8 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.  
This product is RoHS-2, REACH, and DfARS compliant.

### Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
			min max	min max	min max
3	201613759	8/12/16	49.20 53.10	45.00 49.10	15.05 15.85
2	201616692	9/28/16	49.40 51.20	46.40 47.70	14.80 15.50

SGM products are melted and extruded in the USA

Print Date: 9/30/2016



# THYSSENKRUPP MATERIALS NA

PO/Rel 34692

Certificate of Mill Test Results

ALUMINUM PLAT BAR 6061-T6511  
750" x 6.00" x 144.0000"  
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-023469-008

21Dec16  
Pg 2/2



Can Do.

## Service Center Metals

5850 Quality Way  
Prince George, VA 23875

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER	ITEM
272627	16

BILL TO

ThyssenKrupp Materials NA-Concord, ON

MANIFEST NUMBER

3092220

DIE NUMBER

MRB1980

DATE OF SHIPMENT

9/30/2016

CERTIFICATION

ASTM-B221-14 StencilSmt

SHIP TO

ThyssenKrupp Materials NA-Concord, ON

CUSTOMER PO

PEC-277634

ALLOY/TENNER

6061-T6511

SALESPERSON

D. Schroeder (Canada)

SPECIFICATION

AMS-QQA-20018 Rev-A

Quantity Certified 4,620 lbs

72 pcs

CUSTOMER PART NUMBER

MRB1980

DESCRIPTION

MORB-750x6.000

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

This product is RoHS-2, REACH, and DEARS compliant.

DAS  
14  
9-89

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others	Total	Melt Source
06291603	201613759	6061	0.77	0.35	0.32	0.10	0.92	0.15	0.08	0.02	97.29	0.05	0.15		United States of America
07131602	201613759	6061	0.75	0.36	0.30	0.10	0.90	0.18	0.07	0.02	97.32	0.05	0.15		United States of America
1K160825Y	201616692	6061	0.73	0.36	0.31	0.09	0.89	0.10	0.02	0.03	97.47	0.05	0.15		United States of America
1K160925Y	201616692	6061	0.77	0.37	0.32	0.10	0.91	0.10	0.05	0.03	97.35	0.05	0.15		United States of America
1M160924Y	201616692	6061	0.77	0.39	0.33	0.11	0.93	0.10	0.04	0.02	97.32	0.05	0.15		United States of America

SCM products are melted and extruded in the USA

Print Date: 9/30/2016

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 9/30/16

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

.625" DIA X 144.0000"

PART NO.

PO/Rd 34692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-023469-010

21Dec16

Signed by: *[Signature]*

Pg 1/2

**KAISER**  
**ALUMINUM**  
FABRICATED PRODUCTS

*Best in Class*

### CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-278022-5		CUSTOMER PART NUMBER: R87/STK		PRODUCT DESCRIPTION: .625 +/- .004 ROD	
KAISER ORDER NUMBER: 6017203	LINE ITEM: 005	SHIP DATE: 10/11/2016	KAISER LOT NUMBER: 40958-133	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1004.000 LB	QUANTITY: 232.000 PCS	B/L NUMBER: 617108	DIAM/DIA THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
40958-133	0001	1	46.7	40.4	17.0	RE 91	N/A	N/A
40958-133	0001	2	45.1	40.4	18.0	RE 93	N/A	N/A
40958-133	0001	3	46.5	40.3	19.0	RE 97	N/A	N/A
40958-133	0001	4	46.2	41.0	18.0	RE 94	N/A	N/A
40958-133	0001	5	47.9	41.6	19.0	RE 97	N/A	N/A
40958-133	0001	6	46.8	40.3	19.0	RE 95	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
H41750	.69	.29	.22	.08	.88	.07	.02	.02	.00	.00	.00	.00	.00
H41725	.71	.29	.22	.06	.89	.08	.02	.02	.00	.00	.00	.00	.00
H41704	.67	.27	.22	.07	.87	.09	.02	.02	.00	.00	.00	.00	.00

### Applicable Requirements:

ASTM-B221-14 NON-STENCILED ASME-SB221-2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

DAS

14

9-89

*17/10/04*

Plant Serial: 00254576

Kaiser Order Number: 6017203

Line Item: 005

Page 1 of 2

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511  
.625" DIA X 144.0000"  
PART NO.

PO/Ref 34692

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-023469-010

21Dec16

Signed by: 

Pg 2/2

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

*Best in Class*

### CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

#### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

Plant Serial: CC254576

Kaiser Order Number: 6017203

Line Item: 005

Page 2 of 2

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 B1.000X1.00  
 DATE: 17/01/04

PO / BATCH NO.: 34692/136463

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12.825  
 QUANTITY INSPECTED: 12.825  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 1.00  
 THICKNESS RECEIVED: 1.00  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	303
CORRECT THICKNESS	(Y) N	1.00
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	ASTM A582
CORRECT REF # TO LINK CERT	(Y) N	HEAT # <del>2268522</del>
CORRECT MATERIAL IDENTIFICATION	(Y) N	M303 B1.00 X1.00
CORRECT M# ON THE MATERIAL	(Y) N	M136463
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-80</u> DATE: <u>17/01/04</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 R.750  
DATE: 17/01/04

PO / BATCH NO.: 34182/1316463

MATERIAL CERT REC'D: yes  
QUANTITY RECEIVED: 36'  
QUANTITY INSPECTED: 36'  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .750  
THICKNESS RECEIVED: .750  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	303
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	.750
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	ASTM A582
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	HEAT# 1000
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	M303 R.750
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	M1316463
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 14 gmf</u>	SIGNED OFF BY: _____		
DATE: <u>17/01/04</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 R2.00  
DATE: 17/01/04

PO / BATCH NO.: 34692/136463

MATERIAL CERT REC'D: yes  
QUANTITY RECEIVED: 12'  
QUANTITY INSPECTED: 12'  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 2.00  
THICKNESS RECEIVED: 2.00  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORROSION	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	303
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	2.00
PHOTO REQUIRED	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	ASTM A582
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	HEAT# 04913
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	M303 R2.00
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	M136463
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-89</u>	SIGNED OFF BY: _____		
DATE: <u>17/01/04</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 11304 R. 4375  
DATE: 17/01/04

PO / BATCH NO.: 34692/136463

MATERIAL CERT REC'D: yes  
QUANTITY RECEIVED: 12'  
QUANTITY INSPECTED: 12'  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .4375  
THICKNESS RECEIVED: .4375  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	304
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	.4375
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM A276
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HEAT# 30244
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	11304 R. 4375
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	M136463
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> DATE: <u>17/01/04</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304 S146A  
DATE: 17/01/04

PO / BATCH NO.: 34692 / 136463

MATERIAL CERT REC'D: yes  
QUANTITY RECEIVED: 325A  
QUANTITY INSPECTED: 325A  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .080  
THICKNESS RECEIVED: .072  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	304
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	.072
PHOTO REQUIRED	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	ASTM A240
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	HEAT # 159W
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	<del>HEAT #</del> M304 S146A
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	M136463
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>14</u> <u>9-89</u>	SIGNED OFF BY: _____		
DATE: <u>17/01/04</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606IT6 B.500x2.500  
 DATE: 17/01/04

PO / BATCH NO.: 34692/136463

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .500  
 THICKNESS RECEIVED: .506  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>M606IT6</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>.500</u>
PHOTO REQUIRED	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>ASTM-B221</u>
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>HEATH 201620598</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>M606IT6 B.500x2.500</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>M136463</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> <u>9-89</u> DATE: <u>17/01/04</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 B.D. 750 X.750  
 DATE: 17/01/04

PO / BATCH NO.: 34692/136463

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 24'  
 QUANTITY INSPECTED: 24'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .750  
 THICKNESS RECEIVED: .750  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	<u>6061T6</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	<u>.750</u>
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	<u>ASTM B221</u>
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	<u>HEATH 618583</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	<u>M6061T6 B.750X.750</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	<u>M136463</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-89</u> DATE: <u>17/01/04</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061T6 B.750X2.00 PO / BATCH NO.: 34192/136463  
 DATE: 17/01/04

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .750  
 THICKNESS RECEIVED: .750  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>6061T6</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>.750</u>
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>AS17-B221</u>
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>HEAT# 201620603</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>6061T6 B.750X.750</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>M136463</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-89</u> DATE: <u>17/01/04</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 B.750X6.00 PO / BATCH NO.: 34692/136463  
 DATE: 17/01/04

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .750  
 THICKNESS RECEIVED: .750  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>6061T6</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>.750</u>
PHOTO REQUIRED	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>6 ASTM-B221</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>HEAT # 201616692</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M6061T6 B.750X6.00</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M136463</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-89</u> DATE: <u>17/01/04</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 B2.50X1.50 PO / BATCH NO.: 34692/136463  
 DATE: 17/01/04

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 1.50  
 THICKNESS RECEIVED: 1.50  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M6061T6</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>1.50</u>
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>ASTM-B221</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>HEAT # 201616239</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M6061T6 B2.50X1.50</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M136463</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>17/01/04</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 R.625  
DATE: 17/01/04

PO / BATCH NO.: 34692/136463

MATERIAL CERT REC'D: yes  
QUANTITY RECEIVED: 24'  
QUANTITY INSPECTED: 24'  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .625  
THICKNESS RECEIVED: .625  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	<u>6061T6</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	<u>.625</u>
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	<u>ASTM-B221</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	<u>HEAT # 40958-133</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	<u>M6061T6 R.625</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	<u>1136463</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>17/01/04</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 R.750  
 DATE: 17/01/04

PO / BATCH NO.: 34692/136463

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 24'  
 QUANTITY INSPECTED: 24'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .750  
 THICKNESS RECEIVED: .750  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input type="radio"/> N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input type="radio"/> N	<u>6061T6</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input type="radio"/> N	<u>.750</u>
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	<input type="radio"/> N	<u>ASTM-B221</u>
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input type="radio"/> N	<u>HEAT # 2016164163</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input type="radio"/> N	<u>M6061T6 R.750</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input type="radio"/> N	<u>M136463</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 14 9-89</u> DATE: <u>17/01/04</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO34692**

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 1 of 7

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

DEC 19 2016

E-MAILED

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M303B1.000X1.000 MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE	303 BAR 1" X 1"	12/23/2016 Yes 12/23/2016		12.69 f 12,025.00 recu	\$16.95	\$215.00
Line Total:							\$215.00
2	M303R0.750 MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE	303 Round Bar 0.750	12/23/2016 Yes 12/23/2016		36.00 f 88/6-12-21	\$3.80	\$136.80
Line Total:							\$136.80

**PO Instructions:** quotation no pec st-999626

**Note:**

12/19/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO34692**

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 2 of 7

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 30

**Currency** CAD

**FOB** FCA - (Free Carrier)

3 M303R2.000 303 ROUND BAR 2" 12/23/2016  
Yes  
12/23/2016

24.00 f \$21.15 \$507.60

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

*rec'd 12 F.*

**Line Total:** \$507.60

4 M304R0.4375 304 ROUND BAR 0.4375 12/23/2016  
Yes  
12/23/2016

12.00 f \$4.38 \$52.50

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

**Line Total:** \$52.50

5 M304S14GA 304SS sheet .080 12/23/2016  
Yes  
12/23/2016

32.00 sf \$5.87 \$187.81

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED  
SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
ORASTMA240  
OR ASME SA240

*Sp/16-12-21*

**PO Instructions:** quotation no pec st-999626

**Note:**

12/19/2016





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO34692**

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 3 of 7

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 905 669 9444  
  
**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** VENDOR'S TRUCK  
**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA – (Free Carrier)

6	M6061T6B0.500X02.500	6061-T6 Bar .500 x 2.50	12/23/2016 Yes 12/23/2016	12.00 f	\$4.50	\$54.03
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$187.81

7	M6061T6B0.750X00.750	6061-T6 Bar .750 x .750	12/23/2016 Yes 12/23/2016	24.00 f	\$2.54	\$60.96
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$54.03

**Line Total:** \$60.96

**PO Instructions:** quotation no pec st-999626

**Note:**

12/19/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO34692**

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 4 of 7

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name			Buyer	Chantal Lavoie	
Vendor Phone	905 669 9444		Customer POID		
Ship To Contact			Customer Tax #	10127-2607	
Ship To Phone			Terms	Net 30	
Ship Via:	VENDOR'S TRUCK		Currency	CAD	
Ship Acct:			FOB	FCA - (Free Carrier)	
8	M6061T6B0.750X02.000	6061-T6 Bar .750 x 2.00	12/23/2016	12.00	\$5.50
		Yes		f	\$66.04
		12/23/2016			
	MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221				
9	M6061T6B0.750X06.000	6061T6 BAR .750 X 6.00	12/23/2016	12.00	\$13.13
		Yes		f	\$157.50
		12/23/2016			
	MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221				
					Line Total: \$66.04
					Line Total: \$157.50
10	M6061T6B1.000X16.000	6061-T6 Bar 1.00 x 16.00	12/23/2016	36.00	\$52.00
		Yes		f	\$1,872.00
		12/23/2016			
	MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221				

PO Instructions: quotation no pec st-999626

Note:

12/19/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO34692

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 5 of 7

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 905 669 9444  
  
Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

11	M6061T6B2.500X01.500	6061-T6 Bar 2.50 x 1.50	12/23/2016 Yes 12/23/2016	12.00 f	Line Total:	\$1,872.00
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

12	M6061T6R0.625	6061-T6 Round Bar .625"	12/23/2016 Yes 12/23/2016	24.00 f	Line Total:	\$132.50
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

PO Instructions: quotation no pec st-999626

Note:

12/19/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO34692**

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 6 of 7

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 905 669 9444

**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** VENDOR'S TRUCK  
**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA – (Free Carrier)

13 M6061T6R0.750 6061-T6 Round Bar .750" 12/23/2016  
Yes  
12/23/2016

24.00 \$2.45 \$58.80  
f

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

8916-12-21

**Line Total:** \$58.80

14 M7075T73R1.000 7075-T73 Rd Bar 1.00 12/23/2016  
Yes  
12/23/2016

12.00 \$10.42 \$125.00  
f

MATERIAL: 7075-T73 OR 7075-T7351/T73510/T73511 ROUND BAR  
AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9

**Line Total:** \$125.00

15 M174PH-H1150R1.000 17-4 SS H1150 ROUND  
BAR 1.000 12/23/2016  
Yes  
12/23/2016

12.00 \$14.25 \$171.00  
f

MATERIAL: 17-4 PH CONDITION H1150  
GRAIN MUST BE ALONG LENGTH OF BAR

**PO Instructions:** quotation no pec st-999626

**Note:**

12/19/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO34692**

Purchase Order Date 12/19/2016

PO Print Date 12/19/2016

Page Number 7 of 7

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA – (Free Carrier)

**Line Total:** \$171.00

16	71401-45	procurement quality clauses	12/23/2016	1.00	\$0.00	\$0.00
			No			

Procurement Quality Clauses

12/23/2016

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality document

**Line Total:** \$0.00

**PO Total:** \$3,855.54

**PO Instructions:** quotation no pec st-999626

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:** 1

**Change Date:** 12/19/2016